

# DC ELECTRIC LEAKAGE DETECTOR

**Patent number:** JP2003262655  
**Publication date:** 2003-09-19  
**Inventor:** KATO MASAKI  
**Applicant:** FUJI ELECTRIC CO LTD  
**Classification:**  
 - international: G01R31/02; G01R15/18; G01R19/165; H02H3/16  
 - european:  
**Application number:** JP20020063225 20020308  
**Priority number(s):** JP20020063225 20020308

## Abstract of JP2003262655

**<P>PROBLEM TO BE SOLVED:** To provide a DC electric leakage detector which is suitable for a wide application of an ambient temperature changing range using a simple structure. **<P>SOLUTION:** The DC electric leakage detector 10 comprises a core 11 magnetized by a differential current between a connecting cable 3 and a connecting cable 4 from a DC power source 1 to a load device 2, an exciting winding 12 and a detecting winding 13 wound on the core 11, an AC output circuit 14, a load resistor 15, a voltage detector circuit 16, a temperature sensor 17, a temperature correction circuit 18, a setting circuit 19, and a comparator circuit 20. In this detector 10, the output value of the detector circuit 16 is corrected, corresponding to the change of the ambient temperature by the sensor 17 and the correction circuit 18. **<P>COPYRIGHT:** (C) 2003,JPO

